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INTRODUCTION OF SPARK METALWORKING LAGS

PLANTS FAIL TO ADOPT ADVANCED TECHNIQUES -- Kommunist, No 94, 20 Apr 50

Some industrial enterprises of the Armenian republic have not yet adopted certain advanced techniques. For example, the anode-mechanical method, developed by Stalin Prize winner V. Gusev, has not found wide application in the Soviet Union. This method is based on the combined utilization of electrochemical and thermal activity of the current with simultaneous physical machining of the part being cut.

This process can increase productivity 50 percent, reduce the cost of the cutting tool 80 percent, and decrease waste 60 percent and cost of cutting 80 percent. This method could find wide application at all metalworking enterprises throughout the republic and in particular at machine-tool building and electric machine-building plants and at the Avtodetal' Plant.

At the Yerevan Machine-Tool Building Plant parts are no longer hardened in thermic furnaces but in high-frequency hardening units. Among the outstanding features of this method are longer life of machined parts, reduction of the heating cycle to a few seconds or even fractions of a second, and a decrease in consumption of heat since only that section of the part undergoing treatment is heated, whereas, under the old method, the entire part had to be heated in the furnace. This advanced technology should be disseminated to other plants.

USE ANODE-MECHANICAL UNIT TO CUT PLATES -- Leningradskaya Pravda, No 104, 1 May 50

An anode-mechanical unit at the Leningrad Plant imeni Stalin cuts through hard-alloy plates of any thickness in several minutes. Formerly, it took 2-3 hours to cut such plates.

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